Mohave County

VOL. XIII.

KINGMAN, ARIZONA, JUNE 22, 1895.

NO. 34

Lake Building, and to avoid cost of moving and stock-taking, we will sell at cost and under all

Dry Goods, Boots & Shoes Hats, Notions Etc., Etc.,

This is a genuine

CLEARANCE SALE.

As prices quoted on the few articles named will show:

All Calicos 41 to 6c pe	er ya
Light Satteens 6c	"
Black Perf'd Lawns 121c	"
Linen Percales 124c	**
Epingelines 15c	u
Trouvilles, Fast Colors 6c	44
Persian Mulls 10c	"
Dotted Swiss14c	4.
Outing Flannels 10c	44
Ginghams64 to 11c	**
White Lawns121c	**
Henriettas	44
India Linens, White. 15c	"
Fast Black Satteens 20c	"
All one inch Ribbons 10c	"
All two " " 15c	"
All six " and over 40c	4

Mens' underwear, shirts and

Your pick of Straw Hats, 15c to

Cash, and the Goods are Right.

We intend to maintain our buyers, and of selling on other house in Northern Arizona. We are here to stay that we are "strictly in it." We put in all our time working for the interests of our customers, for our interests are identical. Come and see Washoe Lake is 5,000 feet above the us; you will find us more than ready to extend you every of an immense depression, yet it is 4,000 courtesy and legitimate favor feet above the level of the sea. in our power.

Kingman Mercantile Company.

TILE CO.

HLIS.

Death Valley Geological Jumble.

Although a dreary region enough, and very hot in summer, Death Valley is by no means the feartol place many have painted it. In the same region there are many places that are more dangerous. N or about July 1st we Death Valley itself is a most dreary, will move to the new dangreeable and uninteresting spot. It is merely the old dried-up sink of the extinct Amargosa river, and shows as an ancient lake basin in which lie deposits of salt, sods, borax and small quantities of other minerals. The bugs, lizards, snakes and other creatures found in this depression are no more wonderful than are those found in and about the other deserts in the same neighborhood. The region in which Death Valley is situated is far more wooderful and interesting than is the valley itself. Instead of oeing a place for the small finds of the "bug hunter," it is a field for great finds kins as to the cause I am of the opinion by the geologist. It is a grand geological jumble, and a place that has been the scene of comparatively recent extensive and terrific volcanic activity. All indications show that it was at one time a veritable land of fire. Lava flowe, old volcanic cones, extinct craters, steaming of ice. bot springs and bubbling solfataras show that smoke and flames at some not very d stant day in the past covered thousands of square miles of territory.

From time to time there are disputes as to whether any part of Death Valley is really below the level of the sea. The latest observations show that a considerable portion lies below sea level. At the lowest point it is 110 feet below. This depression extends north and south in the old lake basin for a distance of about a x cen miles The ground worked by the Eagle Barax Company is seventy stone and other sedimentiary rocks. In feet below sea level, and it is four miles west of the deepest depression. It is on and in places fossil shells are abundant, account of the name it bears that most writers have painted it as a place full of directions are to be seen signs of great terrors. There are many places in the upheavals and fierce volcanic action. world that have a far greater depth be. The whole face of the country appears to low the level of the sea than Death Val. have been tossed and tumbled about balf ley about which we hear no cock-and bull a dozen times, terminating at last in a stories of death in the air. A spot on volcanic outpurst that capped nearly all the Southern Pacific Railroad is 200 feet lower, and passengers pass over it with- basait. Mud banks of great thickness out being aware of the fact that they are are another feature in places, and some below the level of the sea.

Few persons know that the greater

part of the public life of the Saviour was are found hot springs and solfataras. spent in a place that lies 700 feet below the level of the sea, yet that is the depth are the "Curious Buttes," being hills of the depression in which is situated to 75c.; best of them sold for \$1.50. the sea of Galilee. The river of Jordan, in which Christ was bap ized, is below tains" there are deposits of flexible where no cone or crater can be found the level of the sea, and the Dead Sea, These Prices are Spot into which it empties, is 1 312 feet below be a good indication of the presence of sea level. In no other place in the world diamonds. All about are also plenty of is there a river flowing for a distance of extinct craters of every age. In no other 200 miles, or even a single mile, below region on the Pacific Coast are there betthe level of the sea. But at the Dead ter indications of diamond fields. Sea and along the valley of the Jordan great altitude does not exist side by reputation of being the closest Jordan, on the west of the Dead Sea, are and yellow varieties; mica slates, very but 1.000 to 1.500 feet high, and no peaks in the constry rise to a height exceeding smaller margins than any 3,000 feet above sea level. At Death and want our friends to know has an altitude of 10.937 feet above sea mass is largely made up of corals. In

level of the sea; Mono Lake 6,350 Yosemite Valley presents the appearance

miles to reach the hills by which it is surrounded. People live in the valley. about 100 inches of water suitable for quite warm. The place where the emigrants lost their lives in 1850 is not in Death Valley, but at Lost Wagons course of the tremendous chasm. Springs, on the northern border of the valley. The water of these springs is strongly alkaline.

Some writers have described Death Valley as being almost as fatal to life as was the atmosphere which surrounded the fabled upas tree in the island of Java, asserting that birds attempting to fly over the valley drop dead. A Mr. Hawkins, of California, appears to have had some faith in this story. He says he "picked up two little birds that had evidently just dropped dead, their bodies being still quite warm " Hawkins forther says: "The dryness of the air is so excessive that moisture is withdrawn from the body faster than it can be sup plied through the system. From this cause frequent cases of death have occurred when water was plenty, but which could not be drank fast enough to supply the drain caused by the desiceative power of the dry, hot air."

I shall not dispute that the deaths occurred, but cannot agree with Mr. Hawthat, owing to the very rapid evaperation of the large quantities of water drank. the persons of whom he speaks were frozen to death. A post mortem ex amination would doubtless have shown their stomachs blocked up with masses

The country rocks in the section of country surrounding Death Valley are mainly sandstones, limestones, shales and others of a stratified and sedimentary character, with some heavy conglomerate deposits. These are cut through in many places oy upheavels of granite and other igneous rocks and tilted in all directions. In places there are beds of gravel hundreds of feet thick. Some of these gravel beds have been turned upon edge and covered with lava. Flows of lava and basalt also of en cap the sandthe limestones are found fossil corals chiefly large conical univalves. In all the rocks of the country with lava and of these have a capping of basalt eight to ten feet thick. In hundreds of places

Near Bennetts Wells (Death Valley) showing strata of yellow and blue material, and near these "Beited Moun- Death Valley lava patches are to be seen sandstone (itacolumnite), well known to Tney are formed of lava that was

North of Death Valley, about Alida Valley, the mountains consist mainly of side with great depression. The cliffs of coralline limestone, of both the black compact and crystalline, and granite, with whitish mics. The limestones are very largely developed, and in many Vailey, however, but fifteen miles dis- places are made up of small fragments, tant from the point of greatest depression, evidently detached from coral reefs and rises (on the wes.) Telescope Peak, which afterward cemented together. The wholelevel and 11,937 feet above the sink in this region are many quartz veins from two to five feet in width. They have the To get some idea of the depth of Death dip and strike of the clay slates in which Valley, we have but to observe the al- they are mainly found. The latter overtitude of surrounding places that appear lie the metamorphosed mica slates, and to be considerable depressions. Thus, are capped with timestone. The Fish Lake Valley region, near by, is much the same geologically.

About sixty miles west of Death Vallev lies Owens Valley. This is a narrow Indian amunition is abundant. valley, about 150 miles in length, lying Death Valley is about thirty miles long along the eastern base of the main Sterra region will receive another baptism of and ten miles wide; therefore, were a Nevada range. Owens Valley was un- fire. It came very near to it in 1872 man placed in the middle of it, he doubtedly at one time a chasm or fissure the upheaval of the Sierra Nevada range. and since filled to its present level with every pullding in Owens Valley. In an irrigation and domestic purposes, though line of fracture at the time of the up-1 similarly heavy shocks rapidly followed

Highest of all in Leavening Power.-Latest U.S. Gov't Report

ABSOLUTELY PURE

the mountains to the eastward are much more ancient, belonging to the great palæozoic formation, which occupies ac extensive an area in the Great Busin region. The stratified rocks of this region are vastly ancient. The tracks of elephants, tigers, giant birds and other creatures found in sandstone in Nevada about Carson City were probably made ages and ages before the Sierra Nevad-

range was upheaved. After the Sierras were tormed, and at a time so late that they presented much the same appearance as at present in all their outlines of slope and canyon, there appears to have occurred a period of fire and flames in connection with tremendous upheavals and convulsions. Evi dences of the gigantic forces at this time called into play are visible on every hand in the country about Death Valley, Owens Valley and other sections in that region. Vulcanic cones are to be seen in all directions, many of them still perfect in every part, and from these issued rivers of lava and streams of obsidian, so recently that the detrital slopes of the Sierras, above O vens Valley, are seen to have been covered by them. Also present canyous are seen to have been blackened by lava flows, and lava in places

covers the soil and loose rocks. A number of volcanic cones-some 2.00) feet in beigh -formed in Owens Valley after the surface had assumed its present level and appearance. The summits of these cones are dark red in color and the lower parts are black. The vents show a glazing like that of pottery Several cones burst up through the granre at the base of the Sierras. All these poored forth lava or streams of obsidian. A Fish Springs is one lava flow that is three and one-fourth miles wide. It came from a cone that has two craters f great size and depth. That these outbursts were comparatively recent, is shown by the fact that in places they cover sagebrush fluts in sheets that have the same slope as the ground. In scores of places between Owens Valley and squeezed up through the ground by the ziest internal pressure. Some of this not being sufficiently fluid to flow, lies in heaps. In the strain of some great subterranean throe it was requested out a sausage is from a stuffer. These spo radic patches of lava probably cover a

small vent or fissure of some kind. In places the streams of obsidian (mountain glass) resemble creeks turned to crystal. This obsidian is found of all the colors of the solar spectrum. Much of it might be worked up into ornamental articles of various kinds. Formerly the Indians used it in making arrow heads. They manufacture these arrow points very rapidly. All is done with a touch of wet buckskin. A flake of obsidian is heated, when it breaks wherever the wet and cold buckskin touches it. An Indian expert will make a dozen arrow heads in less than ten minutes How this material became so widely distribntelisa puzzle; the whole face of the country is covered with fragments of it.

It is expected that sooner or later this About two o'clock on the morning of would have to travel only about five of immense depth, formed at the time of March 26, in that year, occurred an earthquake shock that leveled nearly dig borax in the valley and have gardens debris. A series of narrow valleys, ex- instant twenty-three persons were killed in the valley. Furnace Creek flows tending for hundreds of miles along the and sixty wounded, several of whom eastern base of the Sierras, show the died of their injuries. A succession of heaval of the range. Hundreds of hot No such tremendous convulsion of the springs in these valleys also mark the earth has ever been known before or since in any place in the United States, The granite, of which the Sierra Ne- except perhaps at New Madrid, Missouri, vada range is mainly composed, has been in 1811. It shook the whole Pacific greatest industrial show ever given beelevated since the Jurassic period, while Coast. A big tidal wave rolled across tween Chicago and San Francisco.

the Gulf of California, several big buildings in the City of Mexico were damaged, and the volcano of Colima burst into eruption.

All Owens Valley was rent by immense Sssures. Roads, fences and ditches were in places sunk several feet and at he same time moved horizontally out of line from four to five yards. Owens river, stream twenty five yards wide and very deep, was dry in the lower part for eight hours. In one place fish were brown out of the river to the dry land, where they were picked up. It is supposed that by the opening and closing of crevices columns of water containing the fish were spouted in such a direction as to fall on the shore. In the valley many cattle were caught in the crevices and killed. At one time the waters of Owens Like (seventern m:les long and en miles wide) were all pited up in a wall in the center of the lake basin. Immense quantities of boulders tumbled down off the slopes of the Sierras into the valley, causing an awful crashing and a iding greatly to the terrors of the prople, who feared the mountain peaks were about to pitch down upon them. Balls of electrical fire rolled back and forth across the valley from tabge to range with tremendous reports and concussions as they struck and exploded and flames were shot from the old cones up in the mountains. In that first night the people left alive in the valley thought the end of all things had come and they were witnessing the great smash up. And no wonder they thought the solid earth crumbling, for some of the masses of granite that rolled down into the valley that first night were of the bulk of 200 cubic yards.

Owens Valley was in a constant tremor all that summer, and often there were from twenty to forty shocks in twenty four hours. The valley was so rent with discores that the air was constantly loaded with the fames of sulphur. Yet the people stack to their ranches, though they were living directly over a chasm extending down to the central fires of the earth.

To the son'h ward of Death Valley lies the great Mojave desert-a region of sand, alkalı, and rugged unexplored ranges of mountains. To the eastward le many great ranges of mountains, with plains more or less arid between. Here, in the edge of the Ash Mesdows, are the mines discovered some years ago by Mesers Montgomery and Shattuck, supposed at the time to be the long lost Brevtoyle mines, as at first gold could be picked up on the surface, and twelve pounds of gold were pounded out of forty pounds of quartz rock. These mines have been opened and found to be good paying properties. There are several veins of large size; five miles north are other fine veins of gold bearing quartz, and still further north, about six miles, are several more. All these veins are paying well. In this region are some good silver prospects, rich veins of copper and numerous veins of galena. In this same neighborhood alum and several other similar minerals are found. As there are natural springs at Pah Romp Valley that flow from 1,000 to 2,000 inches of water, it is thought artesian wells would prove a success in this region.

Once a railroad is built through this country, between Salt Lake City and Los Angeles, there will be a grand rush of sight-seers, geologists and other scientists to the wild region round about Death Valley. It is a field that will furnish many hard nuts for the scientists to crack .- Correspondence Mining Industry and Tradesman.

The guarantee fund of \$300,000 for the great exposition at Denver is now considered to be in sight. It is to be the